INTERNATIONAL SEARCH REPORT

Interpopular Application No PCT/EP2005/050147

| A. | CLAS | SSIFICATION | OF SUBJECT | MATTER |
|----|------|-------------|-----------------------------|-----------|
| I | °C 7 | 7 B65B | of SUBJECT 343/12 | B65H75/24 |

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{B65B} & \mbox{B65H} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

| C. DOCUM | INTS CONSIDERED TO BE RELEVANT | |
|------------|---|-----------------------|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Α | US 4 796 412 A (O'NEILL RONAN R) 10 January 1989 (1989-01-10) cited in the application the whole document | 1-23 |
| A | GB 2 064 477 A (GRACE W R & CO) 17 June 1981 (1981-06-17) cited in the application the whole document | 1-23 |
| A | US 6 102 313 A (SALZSAULER DONALD J ET AL) 15 August 2000 (2000-08-15) column 5, lines 6-36; figures | 1 |
| A | FR 2 116 070 A (EASTMAN KODAK CO) 7 July 1972 (1972-07-07) page 4, line 3 - page 5, line 19; figures -/ | 1 |
| | | |

| | -/ |
|--|--|
| Further documents are listed in the continuation of box C. | Patent family members are listed in annex. |
| Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory un derlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of mailing of the international search report |
| 4 March 2005 | 14/03/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tv. 31 651 epo ni | Authorized officer |

INTERNATIONAL SEARCH REPORT

Intermedial Application No
PCT/EP2005/050147

| | | PCT/EP2005/050147 | | |
|------------------------|--|-----------------------|--|--|
| (Continua itegory ° | ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | |
| | FR 2 581 633 A (PROSYN POLYANE SA) 14 November 1986 (1986-11-14) page 1, line 37 - page 3, line 21; figures | 1 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

INTERNATIONAL SEARCH REPORT

formation on patent family members

Interponal Application No PCT/EP2005/050147

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|---|------------------|----------|--------------------------|--------------------------|
| US 4796412 | A | 10-01-1989 | GB AU | 2176459 A 588888 B2 | 31-12-1986 28-09-1989 |
| | | | AU | 5875486 A | 18-12-1986 |
| | | | BR | 8602800 A | 10-02-1987 |
| | | | CA | 1259963 A1 | 26-09-1989 |
| | | | DK Ep | 280786 A 0207610 A1 | 15-12-1986 07-01-1987 |
| | | | ES | 8800107 A1 | 01-01-1988 |
| | | | GB | 2176460 A ,B | 31-12-1986 |
| | | | JP | 1890969 C | 07-12-1994 |
| | | | ĴΡ | 6013348 B | 23-02-1994 |
| | | | JР | 62039422 A | 20-02-1987 |
| | | | NZ | 216542 A | 31-08-1987 |
| | | | US | 4693372 A | 15-09-1987 |
| | | | ZA | 8604491 A | 25-03-1987 |
| GB 2064477 | Α | 17-06-1981 | AU | 548154 B2 | 28-11-1985 |
| | | | BE | 886418 A1 | 16-03-1981 |
| | | | CA CH | 1140086 A1 650463 A5 | 25-01-1983 31-07-1985 |
| | | | DE | 3035406 A1 | 10-09-1981 |
| | | | DK | 504380 A ,B, | 29-05-1981 |
| | | | ES | 8201916 A1 | 01-04-1982 |
| | | | FI | 803248 A | 29-05-1981 |
| | | | FR | 2470729 A1 | 12-06-1981 |
| | | | IT | 1133680 B | 09-07-1986 |
| | | | JP | 1619654 C | 30-09-1991 |
| | | | JP | 2038446 B | 30-08-1990 |
| | | | JP | 56084229 A 8006363 A | 09-07-1981 01-07-1981 |
| | | | NL Se | 442394 B | 23-12-1985 |
| | | | SE | 8007423 A | 29-05-1981 |
| UC 6100212 | | 15 00 0000 | CA | 2212025 A1 | 30-01-1999 |
| US 6102313 | Α | 15-08-2000 | CA | 2212025 A1 2228020 A1 | 30-01-1999 |
| | | | AT | 280121 T | 15-11-2004 |
| | | | AU | 733174 B2 | 10-05-2001 |
| | | | AU | 5976598 A | 22-02-1999 |
| | | | WO | 9906312 A1 | 11-02-1999 |
| | | | CN | 1271326 A ,C | 25-10-2000 |
| | | | DE | 69827134 D1 | 25-11-2004 |
| | | | EP | 1001908 A1 | 24-05-2000 |
| | | | HK | 1030405 A1 503080 A | 23-08-2002 29-06-2001 |
| | | | NZ Za | 9801136 A | 16-11-1998 |
| FR 2116070 | | 07-07-1972 | DE | 2158485 A1 | 15-06-1972 |
| LV STIONIA | М | 0/-0/-19/2 | FR | 2116070 A6 | 07-07-1972 |
| | | | GB | 1370922 A | 16-10-1974 |
| | | | ~~ | / V/ Lm / 1 | |
| | | | US | 3698654 A | 17-10-1972 |